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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/734,708	12/11/2003	Mark R. Visokay	TI-35227	2373
23494	7590 06/29/2005		EXAMINER	
	STRUMENTS INCOR	PHAM, THANHHA S		
DALLAS, 1	55474, M/S 3999 FX 75265	ART UNIT	PAPER NUMBER	
			2813	
		DATE MAILED: 06/29/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/734,708	VISOKAY ET AL
Office Action Summary	Examiner	Art Unit
	Thanhha Pham	2813
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 11 De	ecember 2003.	·
2a) This action is FINAL. 2b) This	action is non-final.	
3) Since this application is in condition for allowant closed in accordance with the practice under E	,	
Disposition of Claims		
4) ☑ Claim(s) 1-67 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☑ Claim(s) 1-67 are subject to restriction and/or expressions.	vn from consideration.	
Application Papers		
9) The specification is objected to by the Examine	r.	
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to by the	Examiner.
Applicant may not request that any objection to the		
Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Ex	,	•
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori	s have been received. s have been received in Applicati ity documents have been receive u (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s)	»П	(07.0.44.0)
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) ☐ Interview Summary Paper No(s)/Mail D	
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		Patent Application (PTO-152)

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Election/Restrictions

1. This application contains claims directed to the following patentably distinct species of the claimed invention:

Each species is drawn to a method treating a deposited high k gate dielectric or fabricating a transistor gate structure. One item from each of the following lettered groups must be selected.

- A. sequences of annealing and nitridizing:
 - A-1. sequence as embodiment of figure 2
- A-2. sequence as embodiment of figure 4, steps 202, 204, 212, 214, 220, 222, 224, 226
- A-3. sequence as embodiment of figure 4, steps 202, 204, 216, 218, 220, 222, 224, 226
- B. annealing in oxidizing ambient using
 - B-1. using oxidizing liquid solution comprising $H_2O + H_2O_2$
 - B-2. using oxidizing liquid solution comprising $H_2O + O_3$
 - B-3. using oxidizing liquid solution comprising $H_2SO_4 + H_2O$
 - B-4. using oxidizing liquid solution comprising HNO₃ + H₂O + H₂O₂
 - B-5. using oxidizing liquid solution comprising $HCI + H_2O_2 + H_2O_3$
 - B-6. using oxidizing liquid solution comprising NH₄OH + H₂O + H₂O₂
 - B-7. using oxidizing an oxidizing plasma process
 - B-8. using an ozone anneal
 - B-9. using UV exciation in oxidizing ambient

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Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

2. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

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- 3. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanhha Pham whose telephone number is (571) 272-1696. The examiner can normally be reached on Monday and Thursday 9:00AM 9:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead can be reached on (571) 272-1702. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Thanhha Pham Patent Examiner

Patent Examining Group 2800